

SEQUENCE LISTING

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<120> COMPOUNDS AND METHODS FOR MODULATING CLAUDIN-MEDIATED
FUNCTIONS

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<211> 8

<212> PRT

<213> Unknown

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residue

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<223> Where Xaa is an independently selected amino acid
residue

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<222> (5)

<223> Where Xaa is either Serine or Alanine

<220>

<221> MOD_RES

<222> (6)

<223> Where Xaa is either Tyrosine or Phenylalanine

<220>

<221> MOD_RES

<222> (7)

<223> Where Xaa is an independently selected amino acid
residue

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<223> Description of Unknown Organism: Consensus
Claudin Cell Adhesion Recognition Sequence

<400> 1

Trp Xaa Xaa Xaa Xaa Xaa Xaa Gly
1 5

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

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Synthesis based on Mouse Claudin-1 Cell Adhesion
Recognition Sequence

<400> 2

Ile Tyr Ser Tyr
1

<210> 3

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-2 cell adhesion
recognition sequence

<400> 3

Thr Ser Ser Tyr
1

<210> 4

<211> 4

<212> PRT

<213> Mus musculus

<220>

<223> Description of Artificial Sequence: Product of
synthesis based on human, mouse and Monkey CPE-R
cell adhesion recognition sequence

<400> 4

Val Thr Ala Phe
1

<210> 5

<211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on human and rat RVP-1 cell
 adhesion recognition sequence

<400> 5
 Val Ser Ala Phe
 1

<210> 6
 <211> 42
 <212> PRT
 <213> Mus musculus

<400> 6
 Pro Gln Trp Lys Ile Tyr Ser Tyr Ala Gly Asp Asn Ile Val Thr Ala
 1 5 10 15
 Gln Ala Ile Tyr Glu Gly Leu Trp Met Ser Cys Val Ser Gln Ser Thr
 20 25 30
 Gly Gln Ile Gln Cys Lys Val Phe Asp Ser
 35 40

<210> 7
 <211> 42
 <212> PRT
 <213> Mus musculus

<400> 7
 Pro Asn Trp Arg Thr Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala
 1 5 10 15
 Val Gly Phe Ser Lys Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr
 20 25 30
 Gly Ile Thr Gln Cys Asp Ile Tyr Ser Thr
 35 40

<210> 8
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 8
 Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ser
 1 5 10 15

Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr
 20 25 30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser
 35 40

<210> 9

<211> 42

<212> PRT

<213> Mus musculus

<400> 9

Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ala
 1 5 10 15

Gln Thr Ser Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr
 20 25 30

Gly Gln Met Gln Cys Lys Met Tyr Asp Ser
 35 40

<210> 10

<211> 42

<212> PRT

<213> Chlorocebus aethiops

<400> 10

Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ser
 1 5 10 15

Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr
 20 25 30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser
 35 40

<210> 11

<211> 42

<212> PRT

<213> Homo sapiens

<400> 11

Pro Met Trp Arg Val Ser Ala Phe Ile Gly Ser Asn Ile Ile Thr Ser
 1 5 10 15

Gln Asn Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr
 20 25 30

Gly Gln Met Gln Cys Lys Val Tyr Asp Ser
 35 40

<210> 12
 <211> 41
 <212> PRT
 <213> Rattus norvegicus

<400> 12
 Pro Met Trp Arg Val Ser Ala Phe Ile Gly Ser Ser Ile Ile Thr Ala
 1 5 10 15

Gln Ile Thr Trp Glu Gly Leu Trp Met Asn Cys Val Gln Ser Thr Gly
 20 25 30

Gln Met Gln Cys Lys Met Tyr Asp Ser
 35 40

<210> 13
 <211> 42
 <212> PRT
 <213> Unknown

<220>
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 <223> Where Xaa is either Arginine or Lysine

<220>
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 <222> (6)
 <223> Where Xaa is an independently selected amino acid
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<220>
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 <222> (7)
 <223> Where Xaa is either Alanine or Serine

<220>
 <221> MOD_RES
 <222> (8)

<223> Where Xaa is either Tyrosine or Phenylalanine

<220>

<221> MOD_RES

<222> (9)

<223> Where Xaa is an independently selected amino acid residue

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<222> (12)

<223> Where Xaa is either Asparagine or Serine

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<221> MOD_RES

<222> (14)

<223> Where Xaa is either Valine or Isoleucine

<220>

<221> MOD_RES

<222> (16)

<223> Where Xaa is either Alanine or Serine

<220>

<221> MOD_RES

<222> (17)

<223> Where Xaa is either Glutamine or Valine

<220>

<221> MOD_RES

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<223> Where Xaa is either Glutamic Acid or Lysine

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<222> (26)

<223> Where Xaa is an independently selected amino acid residue

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<220>

<221> MOD_RES

<222> (29)

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<222> (30)

<223> Where Xaa is an independently selected amino acid residue

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<221> MOD_RES

<222> (31)

<223> Where Xaa is either Serine or a gap

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<221> MOD_RES

<222> (34)

<223> Where Xaa is either Glutamine or Isoleucine

<220>

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<222> (35)

<223> Where Xaa is an independently selected amino acid residue

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<222> (38)

<223> Where Xaa is either Lysine or Aspartic Acid

<220>

<221> MOD_RES

<222> (39)

<223> Where Xaa is Valine, Isoleucine or Methionine

<220>

<221> MOD_RES

<222> (40)

<223> Where Xaa is either Phenylalanine or Tyrosine

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 <221> MOD_RES
 <222> (41)
 <223> Where Xaa is either Aspartic Acid or Serine

<220>
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 <222> (42)
 <223> Where Xaa is either Serine or Threonine

<400> 13
 Pro Xaa Trp Xaa Xaa Xaa Xaa Xaa Gly Xaa Xaa Ile Xaa Thr Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Gly Leu Trp Met Xaa Cys Xaa Xaa Xaa Xaa Thr
 20 25 30
 Gly Xaa Xaa Gln Cys Xaa Xaa Xaa Xaa Xaa
 35 40

<210> 14
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<400> 14
 Ile Tyr Ser Tyr Ile Tyr Ser Tyr
 1 5

<210> 15
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on mouse claudin-1 sequence

<400> 15
 Gln Ile Tyr Ser Tyr Gln Ile Tyr Ser Tyr Gln Ile Tyr Ser Tyr
 1 5 10 15

<210> 16
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<223> Description of Artificial Sequence: Product of synthesis. N-CAM binding sequence

Lys Tyr Ser Phe Asn Tyr Asp Gly Ser Glu
1 5 10

<213> Artificial Sequence

<223> Description of Artificial Sequence: Product of Synthesis. Occludin cell adhesion recognition sequence

Leu Tyr His Tyr
1

<213> Artificial Sequence

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<223> Cyclic Peptide

<223> Where Xaa is dimethyl cysteine

Cys Ile Tyr Ser Tyr Xaa
1 5

<213> Artificial Sequence

<223> Cyclic Peptide

<220>

<222> ()

<220>

<400> 19

1 5

<211> 6

<213> Artificial Sequence

<223> Description of Artificial Sequence: Product of
Synthesis based on mouse claudin-1 sequence

<223> Cyclic Peptide

<221> MOD RES

<223> Where Xaa is beta,beta-pentamethylene cysteine

Xaa Ile Tyr Ser Tyr Cys

1 5

<211> 6

<213> Artificial Sequence

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<223> Cyclic Peptide

<221> MOD RES

<223> Where Xaa is beta-mercaptopropionic acid

Xaa Ile Tyr Ser Tyr Cys

1 5

<210> 22
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<220>
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 <222> (1)
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 beta,beta-pentamethylene-beta-mercaptopropionic
 acid

<400> 22
 Xaa Ile Tyr Ser Tyr Cys
 1 5

<210> 23
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on mouse claudin-1 sequence

<220>
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<400> 23
 Xaa Ile Tyr Ser Tyr
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<210> 24
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of

Synthesis

<220>

<223> Cyclic Peptide

<400> 24

Trp Gly Gly Trp

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<210> 25

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of
Synthesis based on N-cadherin cell adhesion
recognition sequence

<400> 25

Phe His Leu Arg Ala His Ala Val Asp Ile Asn Gly Asn Gln Val

1

5

10

15

<210> 26

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Product of
synthesis based on E-cadherin cell adhesion
recognition sequence

<400> 26

Leu Phe Ser His Ala Val Ser Ser Asn Gly

1

5

10

<210> 27

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of
Synthesis based on mouse claudin-1 sequence

<400> 27

Ile Tyr Ser Tyr Ala

1

5

<210> 28

<211> 6
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<400> 28
 Ile Tyr Ser Tyr Ala Gly
 1 5

<210> 29
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<400> 29
 Lys Ile Tyr Ser Tyr
 1 5

<210> 30
 <211> 6
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<400> 30
 Lys Ile Tyr Ser Tyr Ala
 1 5

<210> 31
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<400> 31
 Lys Ile Tyr Ser Tyr Ala Gly
 1 5

<210> 32
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<400> 32
 Trp Lys Ile Tyr Ser Tyr
 1 5

<210> 33
 <211> 7
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<400> 33
 Trp Lys Ile Tyr Ser Tyr Ala
 1 5

<210> 34
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis based on mouse claudin-1 sequence

<400> 34
 Trp Lys Ile Tyr Ser Tyr Ala Gly
 1 5

<210> 35
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on mouse claudin-2 sequence

<400> 35
 Thr Ser Ser Tyr Val
 1 5

<210> 36
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-2 sequence

<400> 36
Thr Ser Ser Tyr Val Gly
1 5

<210> 37
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-2 sequence

<400> 37
Arg Thr Ser Ser Tyr
1 5

<210> 38
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-2 sequence

<400> 38
Arg Thr Ser Ser Tyr Val
1 5

<210> 39
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-2 sequence

<400> 39
Arg Thr Ser Ser Tyr Val Gly
1 5

<210> 40
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on mouse claudin-2 sequence

<400> 40
 Trp Arg Thr Ser Ser Tyr
 1 5

<210> 41
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on mouse claudin-2 sequence

<400> 41
 Trp Arg Thr Ser Ser Tyr Val
 1 5

<210> 42
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on mouse claudin-2 sequence

<400> 42
 Trp Arg Thr Ser Ser Tyr Val Gly
 1 5

<210> 43
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on human, mouse and monkey CPE-R
 sequences

<400> 43

Val Thr Ala Phe Ile
1 5

<210> 44
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Product of
synthesis based on human, mouse and monkey CPE-R
sequences

<400> 44
Val Thr Ala Phe Ile Gly
1 5

<210> 45
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Product of
synthesis based on human, mouse and monkey CPE-R
sequences

<400> 45
Arg Val Thr Ala Phe
1 5

<210> 46
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Product of
synthesis based on human, mouse and monkey CPE-R
sequences

<400> 46
Arg Val Thr Ala Phe Ile
1 5

<210> 47
<211> 7
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<400> 47

Arg Val Thr Ala Phe Ile Gly
1 5

<210> 48

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<400> 48

Trp Arg Val Thr Ala Phe
1 5

<210> 49

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<400> 49

Trp Arg Val Thr Ala Phe Ile
1 5

<210> 50

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<400> 50

Trp Arg Val Thr Ala Phe Ile Gly
1 5

<210> 51

<211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on human and rat RVP-1 sequences

<400> 51
 Val Ser Ala Phe Ile
 1 5

<210> 52
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on human and rat RVP-1 sequences

<400> 52
 Val Ser Ala Phe Ile Gly
 1 5

<210> 53
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on human and rat RVP-1 sequences

<400> 53
 Arg Val Ser Ala Phe
 1 5

<210> 54
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on human and rat RVP-1 sequences

<400> 54
 Arg Val Ser Ala Phe Ile
 1 5

<210> 55
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on human and rat RVP-1 sequences

<400> 55
 Arg Val Ser Ala Phe Ile Gly
 1 5

<210> 56
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on human and rat RVP-1 sequences

<400> 56
 Trp Arg Val Ser Ala Phe
 1 5

<210> 57
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on human and rat RVP-1 sequences

<400> 57
 Trp Arg Val Ser Ala Phe Ile
 1 5

<210> 58
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on human and rat RVP-1 sequences

<400> 58
 Trp Arg Val Ser Ala Phe Ile Gly
 1 5

<210> 59
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 synthesis based on mouse claudin-1 sequence

<220>
 <223> Cyclic Peptide

<400> 59
 Cys Ile Tyr Ser Tyr Cys
 1 5 10

<210> 60
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on mouse claudin-1 sequence

<220>
 <223> Cyclic Peptide

<400> 60
 Cys Ile Tyr Ser Tyr Ala Cys
 1 5 10

<210> 61
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
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 synthesis based on mouse claudin-1 sequence

<220>
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<400> 61
 Cys Ile Tyr Ser Tyr Ala Gly Cys
 1 5 10

<210> 62
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
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synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 62

Cys Lys Ile Tyr Ser Tyr Cys

1

5

10

<210> 63

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 63

Cys Lys Ile Tyr Ser Tyr Ala Cys

1

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<210> 64

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-1 sequence

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<400> 64

Cys Lys Ile Tyr Ser Tyr Ala Gly Cys

1

5

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<210> 65

<211> 8

<212> PRT

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synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 65

Cys Trp Lys Ile Tyr Ser Tyr Cys

1 5 10

<210> 66

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 66

Cys Trp Lys Ile Tyr Ser Tyr Ala Cys

1 5 10

<210> 67

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 67

Cys Trp Lys Ile Tyr Ser Tyr Ala Gly Cys

1 5 10

<210> 68

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 68

Lys Ile Tyr Ser Tyr Asp

1 5 10

<210> 69

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 69

Lys Ile Tyr Ser Tyr Ala Asp
1 5 10

<210> 70

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 70

Lys Ile Tyr Ser Tyr Ala Gly Asp
1 5 10

<210> 71

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 71

Lys Lys Ile Tyr Ser Tyr Asp
1 5 10

<210> 72

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 72

Lys Lys Ile Tyr Ser Tyr Ala Asp

1

5

10

<210> 73

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 73

Lys Lys Ile Tyr Ser Tyr Ala Gly Asp

1

5

10

<210> 74

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 74

Lys Trp Lys Ile Tyr Ser Tyr Asp

1

5

10

<210> 75

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of
synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 75

Lys Trp Lys Ile Tyr Ser Tyr Ala Asp

1

5

10

<210> 76

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 76

Lys Trp Lys Ile Tyr Ser Tyr Ala Gly Asp
1 5 10

<210> 77

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 77

Lys Ile Tyr Ser Tyr Glu
1 5 10

<210> 78

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of synthesis based on mouse claudin-1 sequence

<220>

<223> Cyclic Peptide

<400> 78

Lys Ile Tyr Ser Tyr Ala Glu
1 5 10

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<210> 80

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Lys Trp Lys Ile Tyr Ser Tyr Glu
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Asp Ile Tyr Ser Tyr Ala Gly Lys

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Glu Ile Tyr Ser Tyr Lys
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Glu Ile Tyr Ser Tyr Ala Gly Lys
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Glu Trp Lys Ile Tyr Ser Tyr Ala Lys
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Glu Trp Lys Ile Tyr Ser Tyr Ala Gly Lys
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<211> 5

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Ile Tyr Ser Tyr Ala
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<210> 105

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Ile Tyr Ser Tyr Ala Gly
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<211> 5

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Lys Ile Tyr Ser Tyr
1 5 10

<210> 107

<211> 7

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<210> 108

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Trp	Lys	Ile	Tyr	Ser	Tyr	Ala
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Trp Lys Ile Tyr Ser Tyr Ala Gly
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Cys Thr Ser Ser Tyr Cys
1 5 10

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Cys Thr Ser Ser Tyr Val Cys
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Lys	Thr Thr Ser Tyr Val Asp	
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1	5	10
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Lys	Arg Thr Ser Ser Tyr Asp	
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Lys Arg Thr Ser Ser Tyr Val Asp
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<400> 125

Lys Arg Thr Ser Ser Tyr Val Gly Asp
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<210> 126

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Lys Trp Arg Thr Ser Ser Tyr Asp
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<210> 127

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Lys Trp Arg Thr Ser Ser Tyr Val Asp
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Lys Trp Arg Thr Ser Ser Tyr Val Gly Asp
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Lys Thr Ser Ser Tyr Glu
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<210> 130

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Lys Thr Ser Ser Tyr Val Glu
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Lys Thr Ser Ser Tyr Val Gly Glu
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Lys Arg Thr Ser Ser Tyr Val Glu
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 Glu Thr Ser Ser Tyr Lys
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Glu Thr Ser Ser Tyr Val Lys
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Glu Arg Thr Ser Ser Tyr Lys
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Glu Arg Thr Ser Ser Tyr Val Lys
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Glu Arg Thr Ser Ser Tyr Val Gly Lys
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Glu Trp Arg Thr Ser Ser Tyr Lys
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Glu Trp Arg Thr Ser Ser Tyr Val Lys
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<210> 155

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Glu Trp Arg Thr Ser Ser Tyr Val Gly Lys
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<210> 156

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Thr Ser Ser Tyr Val
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<211> 6

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Thr Ser Ser Tyr Val Gly
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Arg Thr Ser Ser Tyr

1 5 10

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synthesis based on mouse claudin-2 sequence

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<400> 159

Arg Thr Ser Ser Tyr Val

1 5 10

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<223> Cyclic Peptide

<400> 160

Arg Thr Ser Ser Tyr Val Gly

1 5 10

<210> 161

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<223> Cyclic Peptide

<400> 161

Trp Arg Thr Ser Ser Tyr

1 5 10

<210> 162

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<223> Cyclic Peptide

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Trp	Arg	Thr	Ser	Ser	Tyr	Val			
1				5					10

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<400> 163

Trp	Arg	Thr	Ser	Ser	Tyr	Val	Gly		
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<223> Description of Artificial Sequence: Product of synthesis based on human, mouse and monkey CPE-R sequences

<220>

<223> Cyclic Peptide

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Cys	Val	Thr	Ala	Phe	Cys				
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<210> 165

<211> 7

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 synthesis based on human and rat RVP-1 sequences

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